

Appendix C

Summary of Management and Monitoring Activities within HMP Management Units

Nov 2007-Oct 2008

Summary of HMP Management and Monitoring Activities, Nov 2007 – Oct 2008

| Management Unit (MU) | Management Entity ¹ | Management and Monitoring Activities |
|----------------------|--------------------------------|---|
| Agua Hedionda | CDFG | <u>Agua Hedionda Lagoon Ecological Reserve</u> See Appendix A for preserve summary report. |
| | AH Lagoon Foundation | <u>Agua Hedionda Lagoon</u> The Agua Hedionda Discovery center hosts a number of community outreach events, provides educational exhibits and a native plant garden, and runs a children's educational program to promote conservation and raise awareness of water issues facing the community. In addition the AHLF supports the continued vigilance to sustain the recent eradication of <i>Caulerpa taxifolia</i> . Activity Highlights <ul style="list-style-type: none"> • First Annual Pollinator Week – public outreach and educational activities to teach about the importance of pollination. • 2nd Annual Lagoon Day: AHLF continues to partner with the City of Carlsbad and friends at Batiquitos and Buena Vista Lagoons to further the momentum initiated last year to promote community-wide stewardship of our lagoons. • Dedication of two new trails –the Hubbs Fish Hatchery Trail, and the Native Garden Interpretive Trail • Sustainable Energy Workshops • Second Annual World Water Day Festival |
| | Preserve Calavera | <u>Agua Hedionda Lagoon</u> <ul style="list-style-type: none"> • Participated in the stakeholder group for the Agua Hedionda Watershed Management Plan |
| Arroyo La Costa | HOAs | Property-level management |
| Batiquitos Lagoon | CDFG | <u>Batiquitos Lagoon Ecological Reserve</u> See Appendix A for preserve summary report. |
| | Batiquitos Lagoon Foundation | <u>Batiquitos Lagoon</u> The Batiquitos Lagoon Foundation is dedicated to the preservation, enhancement, and protection of Batiquitos Lagoon. The BLF provides educational programs for children and adults, runs a nature center, and is involved with projects to monitor and maintain the lagoon. Activity Highlights <ul style="list-style-type: none"> • Club Pelican summer camp for children • Docent-led walks for the general public, school children, and private adult or family groups. • Routine trail maintenance activities • Annual Lagoon Cleanup Event • Purchased the Mitsuuchi property on the north shore with grant money from CDFG's Wildlife Conservation Board. • Funded through a grant from the City of Carlsbad, BLF contracted out a study to determine the lagoon's hydrology and bathymetric condition. Ongoing invasive plant removal and restoration activities were also funded with this grant. • Acquired another grant from the City of Carlsbad to upgrade the nature center. |

Summary of HMP Management and Monitoring Activities, Nov 2007 – Oct 2008 *continued*

| Management Unit (MU) | Management Entity ¹ | Management and Monitoring Activities |
|----------------------|--------------------------------|--|
| Bressi/Carrillo | | Information unavailable |
| Buena Vista Creek | CDFG/CNLM | <u>Buena Vista Creek Ecological Reserve</u> See Appendix A for preserve summary report |
| | Preserve Calavera | <u>Buena Vista Creek Ecological Reserve</u> <ul style="list-style-type: none"> Continued hand watering of willow cuttings Received a SCC Wetlands Recovery Project grant for the restoration of 1.8 acres of wetland habitat. The project was initiated in September 2009 |
| Buena Vista Lagoon | CDFG | <u>Buena Vista Lagoon Ecological Reserve</u> See Appendix A for preserve summary report. |
| | BV Lagoon Foundation | <u>Buena Vista Lagoon</u> Manages volunteer programs to conduct trail repairs, trash pickup, weed removal, and to install interpretive signs, trail markers, and trail barriers. Prepare public outreach and educational materials. Raise funds through grants and local donations. Currently assisting with the Buena Vista Lagoon Restoration Project. See Appendix A for more details. |
| | BV Audubon Society | <u>Buena Vista Lagoon</u> BVAS has held monthly programs and weekly field trips throughout the period under review to promote awareness of birds and their habitat requirements in coastal North County, and especially in and around the Buena Vista Lagoon and its watershed. BVAS, with volunteer assistance, runs the Nature Center. Currently assisting with the Buena Vista Lagoon Restoration Project (see Appendix A). Activity Highlights <ul style="list-style-type: none"> Native Plant Club - monthly meetings Native Plant Restoration Group - weekly Childrens' Summer Camp: nature art - 2 groups/day for one week School Class Nature Tours - approx. 3 days/week Pre-school Storytime and Nature Crafts - monthly Scout Group Nature Programs - approx. 2/month |
| | Preserve Calavera | <u>Buena Vista Lagoon</u> <ul style="list-style-type: none"> Partnered with BVAS on a lecture and watershed discovery tour of Buena Vista Made 1,700 fish that helped convince the RWQCB that some of the sewer spill fines should be used for restoration projects in the watershed of impact |

Summary of HMP Management and Monitoring Activities, Nov 2007 – Oct 2008 *continued*

| Management Unit (MU) | Management Entity ¹ | Management and Monitoring Activities |
|----------------------|--------------------------------|--|
| Calavera | CNLM | <u>Calavera Hills Phase II/Robertson Ranch East</u> See Appendix A for preserve summary report. |
| | CDFG | <u>Carlsbad Highlands Ecological Reserve</u> See Appendix A for preserve summary report. |
| | Preserve Calavera | <u>Mount Calavera area</u> The goals of Preserve Calavera are to create a regional nature preserve to preserve and protect the open space around Mt Calavera and Lake Calavera as a regional nature preserve; promote the use of these areas by a responsible public; support education and restoration programs; and minimize the adverse effects of development on this natural environment. Preserve Calavera provides docent-led hikes, community outreach, and volunteer opportunities; conducts invasive species removal, wildlife tracking, and open space clean-ups; and participates in the public project review process. Activity Highlights <ul style="list-style-type: none"> • Held three Wildlife Appreciation events focused on amphibians, raptors and coyotes • Sponsored a lecture/hike series on the geology of our local extinct volcano Mt Calavera • Got numerous changes made to development projects through comment letters and advocacy |
| Faraday | CNLM | <u>Kelly Ranch</u> See Appendix A for preserve summary report. |
| Los Monos | CNLM | <u>2006 Carlsbad Oaks North</u> See Appendix A for preserve summary report |
| | UCSD | HIGHLIGHTS: Restoration Ecology: Conduct stream bank restoration. Fire Ecology: Old-growth and postburn chaparral monitored since a 1982 fire. Field Courses: Site visits by university courses in ecology, human biology, and natural history; facilities are expanding to enhance teaching use. Public outreach: The San Diego Natural History Museum collects plant specimens. <u>Selected Research:</u> <ul style="list-style-type: none"> • The effects of floral predation on the pollination biology and reproductive success of <i>Yucca whipplei</i>. • Parasite diversity of small mammals in fragmented areas. • Suitability of soils and habitat types for the federally endangered Pacific pocket mouse. |

Summary of HMP Management and Monitoring Activities, Nov 2007 – Oct 2008 *continued*

| Management Unit (MU) | Management Entity ¹ | Management and Monitoring Activities |
|----------------------|--------------------------------------|--|
| Poinsettia/Aviara | Aviara Master HOA | Property-level management |
| | Other HOAs | Property-level management |
| Villages of La Costa | CNLM | Rancho La Costa See Appendix A for preserve summary report. |
| Multiple MUs | Carlsbad Watershed Network | <p>The primary functions of the Carlsbad Watershed Network (CWN) is to facilitate communication and coordination among all stake holders in the Carlsbad Hydrologic Unit (CHU); act as a clearinghouse for water resources projects within the CHU; develop a coordinated planning effort, to share resources and to find solutions for the benefit of the entire CHU; and develop and support coordinated programs through established environmental organizations within the CHU.</p> <p>Activity Highlights</p> <ul style="list-style-type: none"> • Watershed Stewards Training. • Invasive species removal • North County Stormwater Management Programs • Agua Hedionda Watershed Management Plan |
| | City Parks and Recreation Department | <p>The Citywide Trails Program manages and monitors trail improvements, construction and maintenance activities in some of Carlsbad's open spaces that are part of the HMP, and conducts public outreach.</p> <p>Activity Highlights:</p> <p><u>National Public Lands Day Clean-Ups</u>- Held for the past 4 years at Lake Calavera, this has been the most successful clean-up program of Open Space in the City of Carlsbad.</p> <p><u>Lake Calavera Trails Master Plan</u>. In an effort to manage the large City owned lands that have many unofficial trails, a plan is in progress to formally dedicate a trail system and enhance the open space through trail signage, closure of badly eroded trails, interpretive signage, fencing and other management activities.</p> <p><u>Citywide Trail Volunteer Program</u>. Oversee volunteers that work on a monthly basis to improve and construct trails by picking up litter, installing trail signage, repairing erosion, and removing weeds from the trails. Quarterly Trail Volunteer Meetings are held which are open to the public. A schedule is provided on the City's Website</p> <p><u>Trail School</u>. Offered once a year to all trail volunteers, as an opportunity to learn trail safety, correct trail building skills and how to protect the environment and be safe while performing the duties as a trail volunteer.</p> <p><u>Trail Blast</u>. A Fitness program using the City's Trails, but in addition information on trail safety and the trail volunteer program is provided.</p> |

¹ Primary management entities (Preserve Managers) are in bold. CDFG – California Department of Fish and Game. CNLM – Center for Lands Management. CWN – Carlsbad Watershed Network. "Other" – HOAs (other than Aviara HOA) and private open space; generally these were preserved prior to HMP approval.